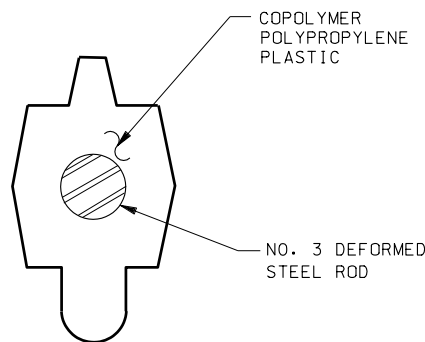
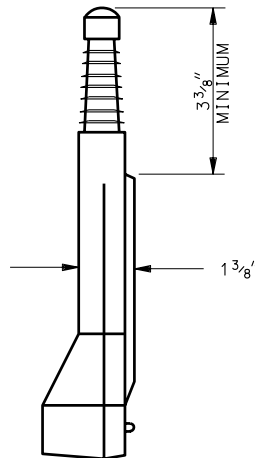


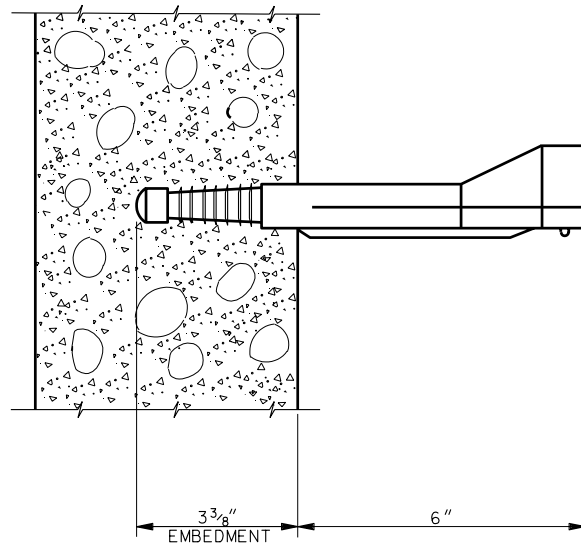
END VIEW



SECTION A-A



RIGHT SIDE VIEW



EMBEDMENT DETAIL

NOTES:

1. MANHOLE STEPS: CAPABLE OF WITHSTANDING A SINGLE CONCENTRATED LOAD OF 300 POUNDS APPLIED AT A DISTANCE OF 5 INCHES FROM THE FACE OF THE STRUCTURE WALL.
2. STEPS ARE TO BE VERTICALLY ALIGNED AND UNIFORMLY SPACED WITH A MINIMUM SPACING OF 12 INCHES AND A MAXIMUM SPACING OF 16 INCHES UNLESS SHOWN OTHERWISE ON STRUCTURE PLANS.
3. USE EITHER MANHOLE STEPS CAST-IN-PLACE, OR GROUTED INTO STRUCTURE WALL IN SUCH A MANNER AS TO PREVENT PULLOUT UNDER A LOAD OF 300 POUNDS APPLIED 5 INCHES FROM THE FACE OF THE STRUCTURE WALL.
4. STEEL REINFORCING OF MANHOLE STEPS: CONFORM TO AASHTO DESIGNATION M 31, GRADE 60, DEFORMED STEEL BAR. PLASTIC COATING OF MANHOLE STEPS: CONFORM TO ASTM DESIGNATION D 2146, TYPE II, GRADE 16906.
5. MANHOLE STEPS: CONFORM TO AASHTO DESIGNATION M 199 UNLESS NOTED OTHERWISE.
6. DIMENSIONS MAY VARY WITH MANUFACTURES DESIGN. USE ALTERNATIVE DESIGN WITH THE APPROVAL OF THE ENGINEER.

REVISIONS				UTAH DEPARTMENT OF TRANSPORTATION			
				STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION			
				SALT LAKE CITY, UTAH			
				RECOMMENDED FOR APPROVAL			
				CHAIRMAN STANDARDS COMMITTEE			
				APPROVED			
				DEPUTY DIRECTOR			
				JULY 03,2002			
				DATE			
				JULY 03,2002			
				DATE			
				NO.			
				DATE			
				APPR.			
				REMARKS			

MANHOLE STEPS

STANDARD DRAWING TITLE